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Translation of Annex to the IPER

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CLAIMS~~Patent Claims~~

1. A connector for RF coaxial lines comprising two connector halves for establishing contact with the outer conductor (8) of the RF coaxial line (3) by means of an insulation displacement connection with at least one cutting edge (2) arranged on each connector half, characterized in that the cutting edges (2) are arranged opposite each other in staggered manner in the longitudinal axial direction of the outer conductor (8) and, after penetration of the outer insulation (7) of the RF coaxial line (3), establish a cold-welding type connection with the outer conductor (8) on the end face (10) and at least one adjacent side face (11) thereof, and the cutting edges, in case of a change in distance of their end faces (10) with respect to each other, slide on the outer conductor (8) without a gap being formed between outer conductor (8) and cutting edges (2).
2. The connector of claim 1, characterized in that the connector (9) has a plurality of pairs of cutting edges (2) arranged symmetrically with respect to a plane extending perpendicularly to the longitudinal axial direction of the outer conductor (8).
3. The connector of claim 1 or 2, characterized in that the connector (9) has a plurality of pairs of cutting edges (2) which are arranged symmetrically with respect to a plane extending along the longitudinal axial direction of the outer conductor (8) and which, in case of a change in distance of their end

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faces (10) with respect to each other, slide on the outer conductor (8) without a gap being formed between outer conductor (8) and cutting edges (2).

4. The connector of any of claims 1 to 3, characterized by a base plate (4) formed on its longitudinal side with lugs (5) extending substantially perpendicularly thereto, with one cutting edge pair each being arranged substantially perpendicularly thereto and extending away therefrom towards the outer conductor (8).
5. The connector of claim 4, characterized by at least two lugs (5) each on both longitudinal sides of the base plate (4), said lugs (5) having cutting edge pairs with different axial distances (a, b) of the cutting edges (2).
6. The connector of claim 4 or 5, characterized in that two connector halves are arranged on the RF line (3), with the cutting edge pairs overlapping each other.

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